

Title (en)
MEDICAL FABRIC

Title (de)
MEDIZINISCHES GEWEBE

Title (fr)
TISSU MÉDICAL

Publication
EP 3733122 A4 20210120 (EN)

Application
EP 18894225 A 20181212

Priority
• JP 2017254737 A 20171228
• JP 2018045747 W 20181212

Abstract (en)
[origin: EP3733122A1] Provided is a high-density medical fabric that can be suitably used as a graft for a branched stent graft, can accommodate diameter changes, has the burst strength required of a material to be implanted in a body, and has a seamless tubular shape that can narrow in diameter. This high-density medical fabric is characterized by satisfying the conditions (1), (2), (3), and (4). (1) Both warp and weft yarns are synthetic multifilament fibers having a total fiber fineness of 60 dtex or less. (2) The fabric is provided with a large-diameter part, two branch parts having summed diameters smaller than the diameter of the large-diameter part, and a tapered part interposed between the large-diameter part and the two branch parts, the large-diameter part having a 1/1 plain woven structure, the two branch parts having, for example, a 1/2 ribbed woven structure, and the tapered part having a structure in which these woven structures alternate to form a triangle shape. (3) In each of the large-diameter part and the two branch parts, the fabric has a cover factor of 1600 to 2400. (4) In each of the large-diameter part and the two branch parts, the fabric has a thickness of 110 μm or less.

IPC 8 full level
A61F 2/07 (2013.01); **A61F 2/06** (2013.01); **A61L 31/06** (2006.01); **A61L 31/12** (2006.01); **A61L 31/14** (2006.01); **D03D 1/00** (2006.01); **D03D 3/02** (2006.01)

CPC (source: EP US)
A61F 2/06 (2013.01 - EP US); **A61F 2/07** (2013.01 - EP US); **A61L 31/06** (2013.01 - EP); **D03D 1/00** (2013.01 - EP); **D03D 3/02** (2013.01 - EP US); **D03D 3/06** (2013.01 - EP); **D03D 13/004** (2013.01 - EP); **D03D 15/33** (2021.01 - US); **D03D 15/43** (2021.01 - US); **A61F 2002/065** (2013.01 - EP); **A61F 2240/001** (2013.01 - EP); **A61F 2250/0039** (2013.01 - EP); **D10B 2331/04** (2013.01 - US); **D10B 2509/06** (2013.01 - EP US)

Citation (search report)
• [I] WO 2017126009 A1 20170727 - ASAHI CHEMICAL IND [JP] & US 2019015192 A1 20190117 - NAKAZAWA AKIHITO [JP], et al
• [A] US 2009171440 A1 20090702 - CARLSON JAMES M [US], et al
• See references of WO 2019131148A1

Designated contracting state (EPC)
AL AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HR HU IE IS IT LI LT LU LV MC MK MT NL NO PL PT RO RS SE SI SK SM TR

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DOCDB simple family (application)
EP 18894225 A 20181212; CN 201880077132 A 20181212; JP 2018045747 W 20181212; JP 2019562962 A 20181212; US 201816958437 A 20181212